

From: Rochlin, Kevin
Sent: Thursday, April 10, 2014 12:19 PM
To: Greutert, Ed [USA]
Subject: FW: FMC RD Soil Remedial Action Plan
Attachments: DEQ Comments_FMC OU RD Soil RA DESIGN DRAWINGS (30%).docx

Categories: 4-5 to 4-16

Please append these to the end of the comment set. Do not mix them with ours. However, see if there are comments with our comments.

Kevin

From:

Kevin Rochlin | Superfund Remedial Project Manager
U.S. Environmental Protection Agency | Region 10
Office of Environmental Cleanup
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From: Scott.Miller@deq.idaho.gov [mailto:Scott.Miller@deq.idaho.gov]
Sent: Thursday, April 10, 2014 11:25 AM
To: Rochlin, Kevin
Cc: Douglas.Tanner@deq.idaho.gov; Wayne.Crowther@deq.idaho.gov
Subject: FMC RD Soil Remedial Action Plan

Kevin,

DEQ's comments on the draft remedial design are attached. Sections 2.3.2, 3.3.3, 4.0, Appendix C, and Appendix D of the Institutional Control Implementation and Assurance Plan (ICIAP) have been reviewed by Idaho's Attorney General's Office. The draft environmental covenant is acceptable. I have reviewed the ICIAP and have no significant comments.

Scott A. Miller, P.G. | Environmental Hydrogeologist
Idaho Department of Environmental Quality
Main: 208.373.0502 Direct: 208.373.0328

DOCUMENT TITLE: FMC IDAHO –FMC OU REMEDIAL DESIGN SOIL REMEDIAL ACTION ENGINEERING DESIGN SUBMITTAL
 DATE: MARCH2014

Document Reviewed: FMC OU Remedial Design Soil Remedial Action DESIGN DRAWINGS (30%); Power County, Idaho Eastern Michaud Flats Superfund Site	Reviewers Name:	Initials
April 1, 2014	Wayne Crowther	WC

Reviewer (initials)	Page	Line/ Table/ Figure	Comment	Proposed Resolution
General Comments				
WC	Cover Page		All final documents will need to be stamped and signed by a licensed professional engineer	
WC		Plans	Include the SWPPP as part of the design drawing	
WC	-	Plans	Provide documentation if the ponds are lined.	
WC	-	Plans	Document if future sediment collected from the ponds will be tested for contaminants of concern/characterized.	
WC	-	Plans	Show profiles for the drainage channels.	

Document Reviewed: FMC OU Remedial Design Soil Remedial Action DESIGN DRAWINGS (30%); Power County, Idaho Eastern Michaud Flats Superfund Site	Reviewers Name:	Initials
February 27, 2014	Wayne Crowther	WC

Reviewer (initials)	Page	Line/ Table/ Figure	Comment	Proposed Resolution
Specific Comments				
SM	4-3	Table 4.1	Please include all wells proposed for abandonment on a single figure.	
SM	4-4	Lines 2-5	A figure showing the fencing proposed for temporary removal would be helpful.	
SM	5-5	Section 5.3, line 1	Delete the first “will” so the text reads ‘the site areas will...’.	
WC	DWG 2	Legend	Include the symbol for the control points.	
WC	DWG. 3		Indicate what the different colors in the table are.	
WC	DWG 4-8	Notes	Add note to reference DWG 3 for boring and monitoring well tables.	
WC	DWG 6	Middle of sheet	There is a conflict between the line type and the call out for the Tesoro Pipeline. It is unclear if it is gas or oil, revise as appropriate.	
WC	DWG 6-7	Note 3	Please verify if the height of the monitoring point is to be 6.5 feet or inches above final grade.	
WC	DWG 7	Middle of sheet	The tags for the monitoring wells are co-mingled. Reference Well 500 on the drawing.	
WC	DWG 8	Site Clearance Table	Add a column for sheet # to aid in location of the site clearance item.	
WC	DWG 15	Cross-section	Cross-section references Drawing 25. These cross-sections are not found on	

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		references	that drawing.	
WC	DWG 16	Cross-section references	Cross-section references Drawing 25. These cross-sections are not found on that drawing.	
WC	DWG 16	Contours	Between the control points 46 & 70 on RA-H there are several unlabeled contour lines between the 4585 on the west and the 4585 on the east. Clarify the elevation contours in this area.	
WC	DWG 17	Cross-section references	Cross-section references Drawing 25. These cross-sections are not found on that drawing.	
WC	DWG 17	North side of RA-B	There are two monitoring wells with tags on each other, please fix so both are legible.	
WC	DWG 18	Cross-section references	Cross-section references Drawing 26. These cross-sections are not found on that drawing.	
WC	DWG 19	-	Classify the waste that the contractor is to consolidate.	
WC	DWG 26-31	Various Cross-Sections	Indicate slopes on the top of the graded RA's to aid in slope preparation, and H:V for steeper side slopes.	
WC	DWG 32	Detail 1	Grading control points are not shown on DWG 17	
WC	DWG 32	Detail 2	Grading control points are not shown on DWG 17	
WC	DWG 32	Detail 10	Detail indicates grading control points are being shown on this drawing.	
WC	DWG 41	Table	It is assumed that the volumes of sediment are estimated for the various piping segments.	
WC	DWG 45	Un-named drainage	There is an un-named drainage channel south of the area between Basin 8 and Basin 9 with channels 9-1 & 9-2 contributing to it. Please indicate what treatment this area will receive to prevent erosion.	
WC	DWG 46	-	Diversion channel 1-P cannot be found	

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			on this drawing.	
WC	DWG 47	Basin 2	There are no channels shown to collect or convey stormwater to Pond 2.	
WC	DWG 50	-	Indicate what ditches get lined and what treatment they receive.	
WC	DWG 50	Detail 7	Show the direction of flow over the cut-off wall and the relief between the concrete and the soil.	